

OFFICE OF

TECHNOLOGY

TRANSFER

08/23/00

APPROVED	O.C.F.S.
BY	CLASS
DRAFTSMAN	SUBCLASS

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#5

# Analysis of 17724 (399 aa)

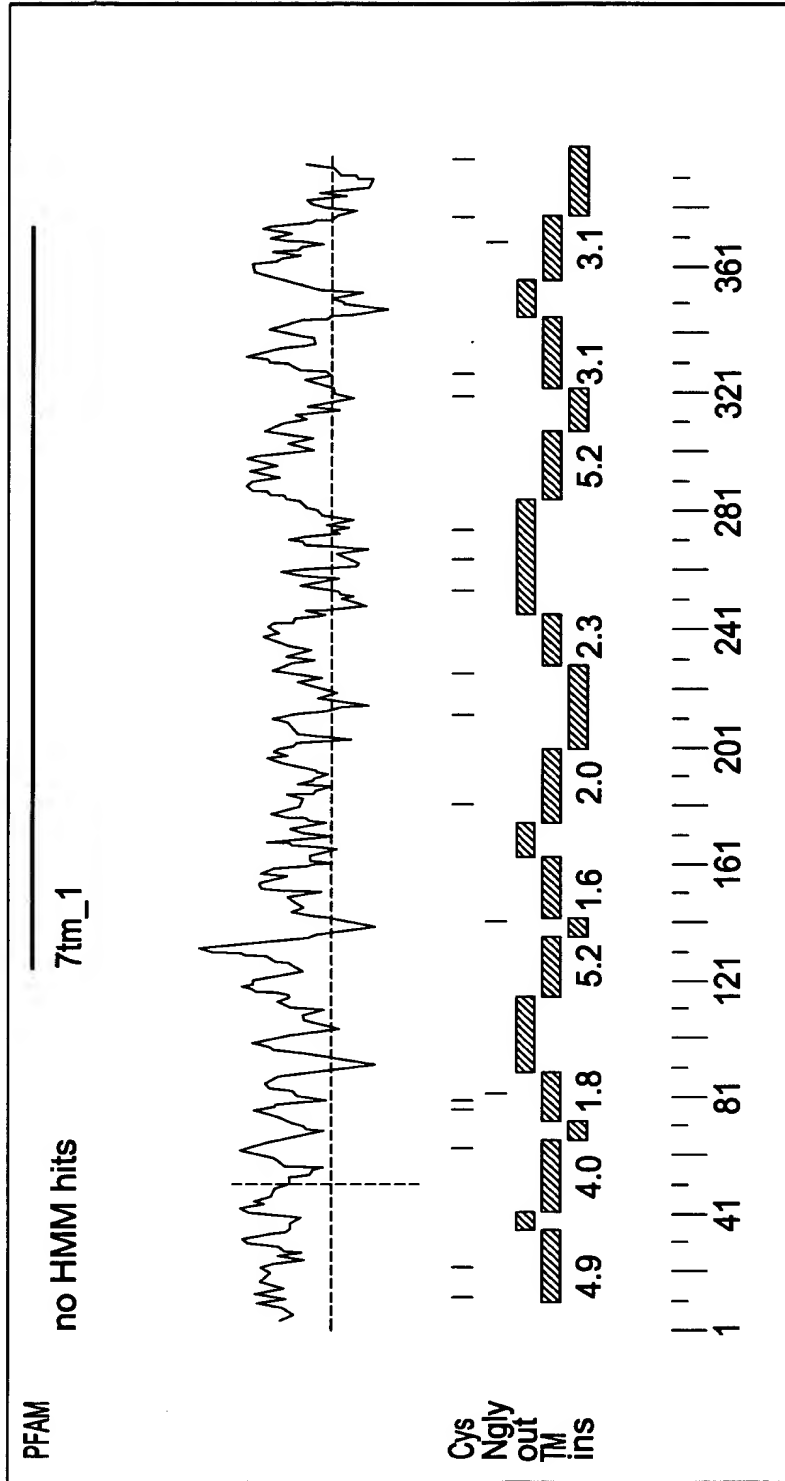
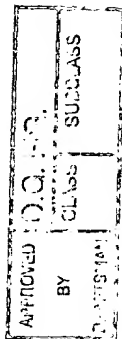
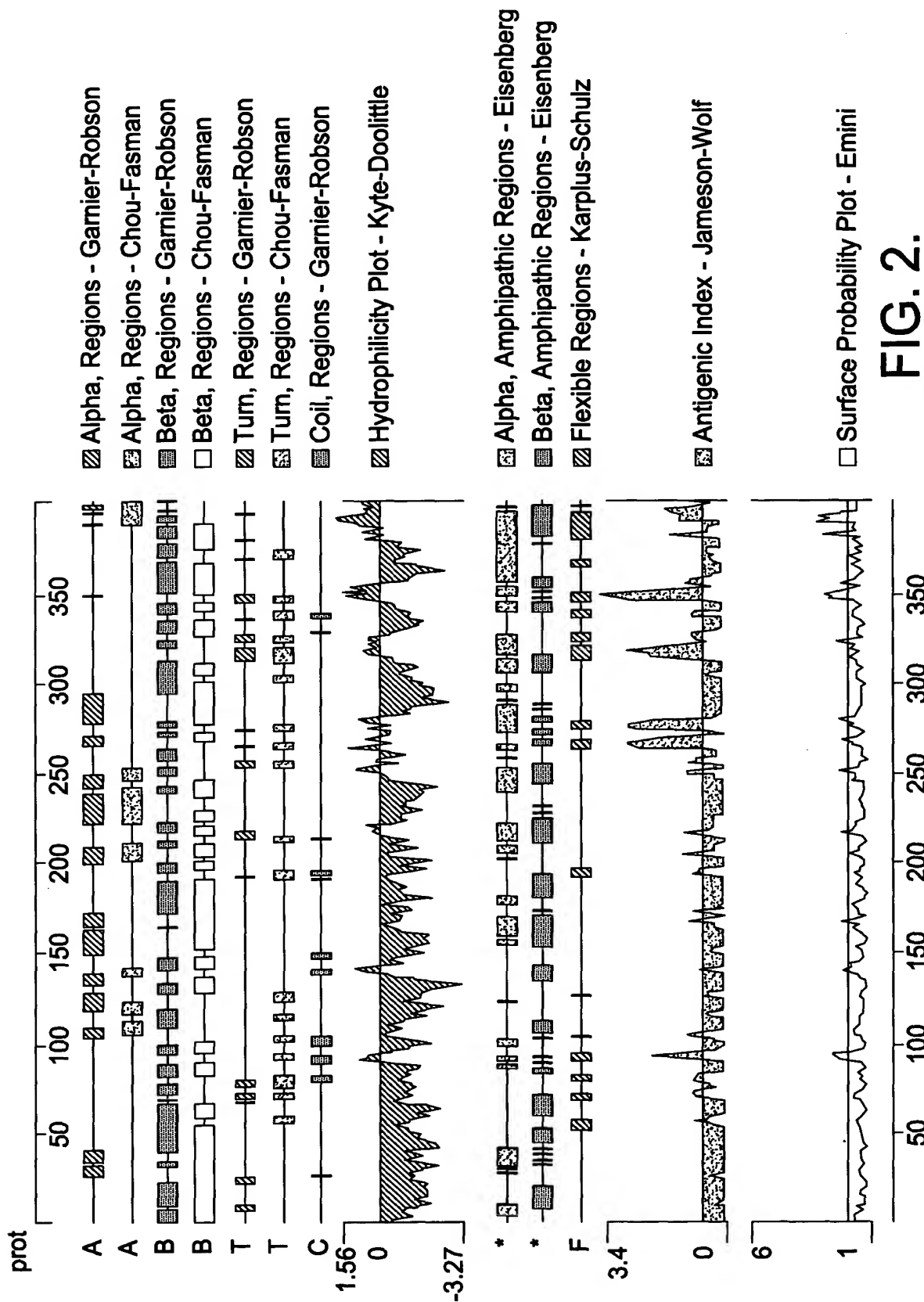


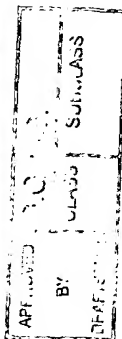
FIG. 1.



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Query: 17724

Scores for sequence family classification (score includes all domains):

Model	Description	Score	E-value	N
7tm_1	7 transmembrane receptor (rhodopsin family)	94.1	6.1e-29	1

Parsed for domains:

Model	Domain	seq-f	seq-t	hmm-f	hmm-t	score	E-value
7tm_1	1/1	125	374	1	259	94.1	6.1e-29

Alignments of top-scoring domains:

7tm\_1: domain 1 of 1, from 125 to 374: score 94.1, E = 6.1e-29

```

      *->GN(LVilvrlrtkklrtptniflNLAvADLLfltlppwalyylvg
      GN ++i+ ++ +l+tp+++f++N ++ +L++ t +p +l+ l+
17724 125  GNTIIIVMVIADTHLHTPMYFFLGNSLLEILVTMTAVPRMLSDDL 171
      gsedWpFGsalCklvtaldvvnmyaSiLLtaISiDRYIAIvhPlryrrr
      ++++ +C ++ ++ + + +S l Lt +++DR++AI+hPlry ++
17724 172 --PHKVITFTGCMVQFYHFHSLGSTSFLILTDALDRFVAICHPLRYGTL 219
      rtsprArkvillvWvlaallsPpflfswvktveegngtlnvntvCli
      ++ + ++ + +++W++ +l+ +P ++s ++ +g+ +n+++C+
17724 220 MS-RAMCVQLAGAAWAAPFLAMVPT-VLSRAHLDYCHGGV--INHFFCDN 265
      dfpeestasvstwlrsyvlstlvqFlIPllvlvcYtrlrltr....
      + ++s+ l+++ +l l + l +lv l+ Y+ I+ t+ + ++
17724 266 EPLLQLSCSDTRLLEFWDFLMALTFVLSSFLVTLISYGYIVTTVLripsa 315
      ...kaaktllvvvvvFvICWIPyfiVllldtlc.lsiimsstCelervlp
      ++ + q+ ++ +++ v+ + i+l++++ + s ++
17724 316 sscQKAFSTCGSHLTlVFIGYSSTIFLYVRPGKaHS-----VQ 353
      tallvtlwLayvNscINPiYK-*
      + v+l+ +++ + INP+l
17724 354 VRKVVALVTSVLTPFLNPFI 374
  
```

**FIG. 3.**

09781880

Title: NOVEL SEVEN-TRANSMEMBRANE PROTEIN/G-PROTEIN  
COUPLED RECEPTORS

Inventor(s): Glucksmann et al.

Application No: 09/781,800 T.T.O. # 08818460

Atty Dkt No: 35800/208932 (5800-206)



### 17724 Expression in Clinical Lung Samples

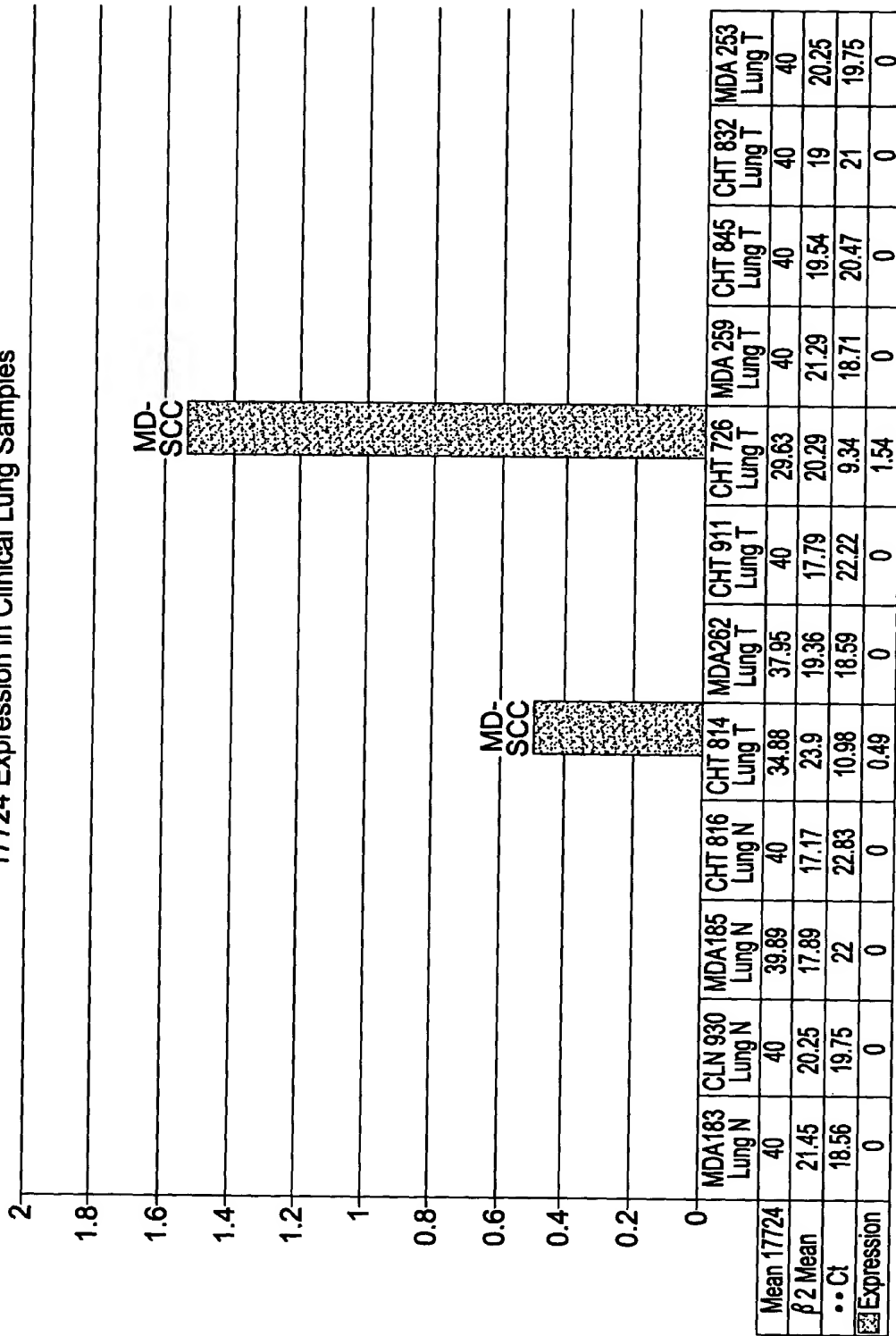
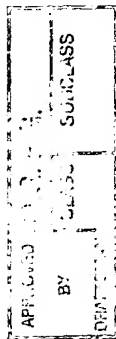


FIG. 4.



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# 17724 Expression in Clinical Angiogenic Samples

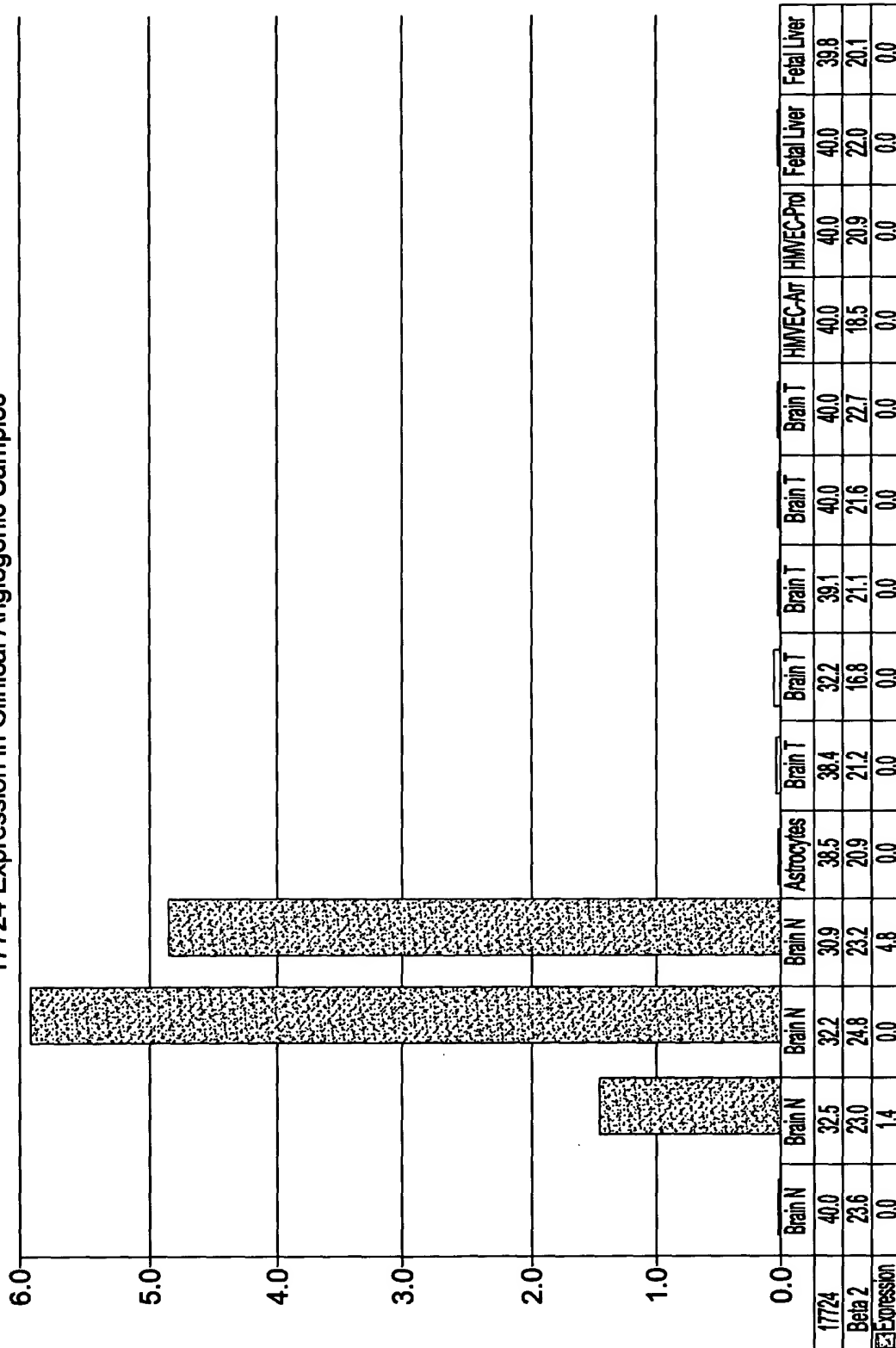
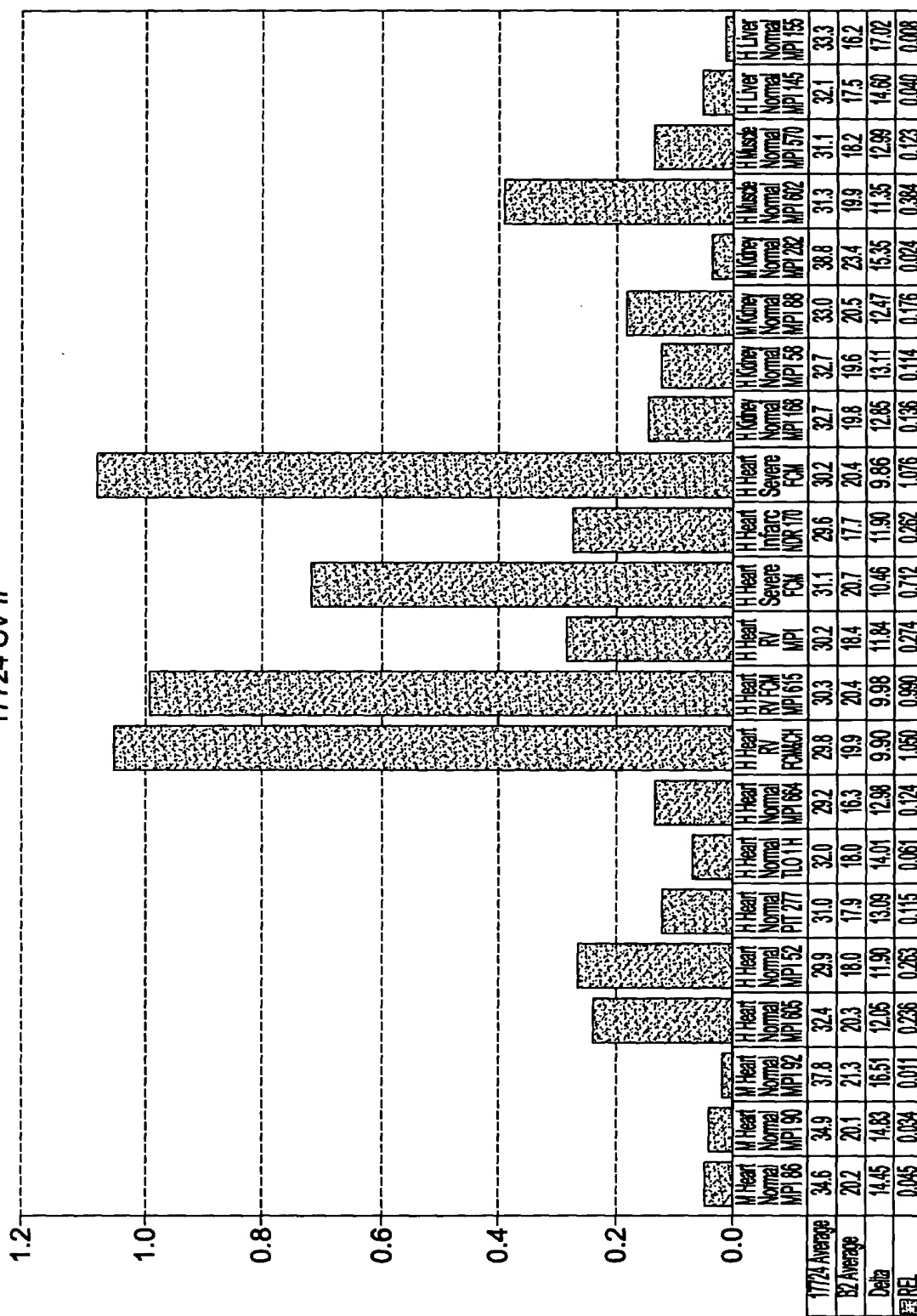


FIG. 5.

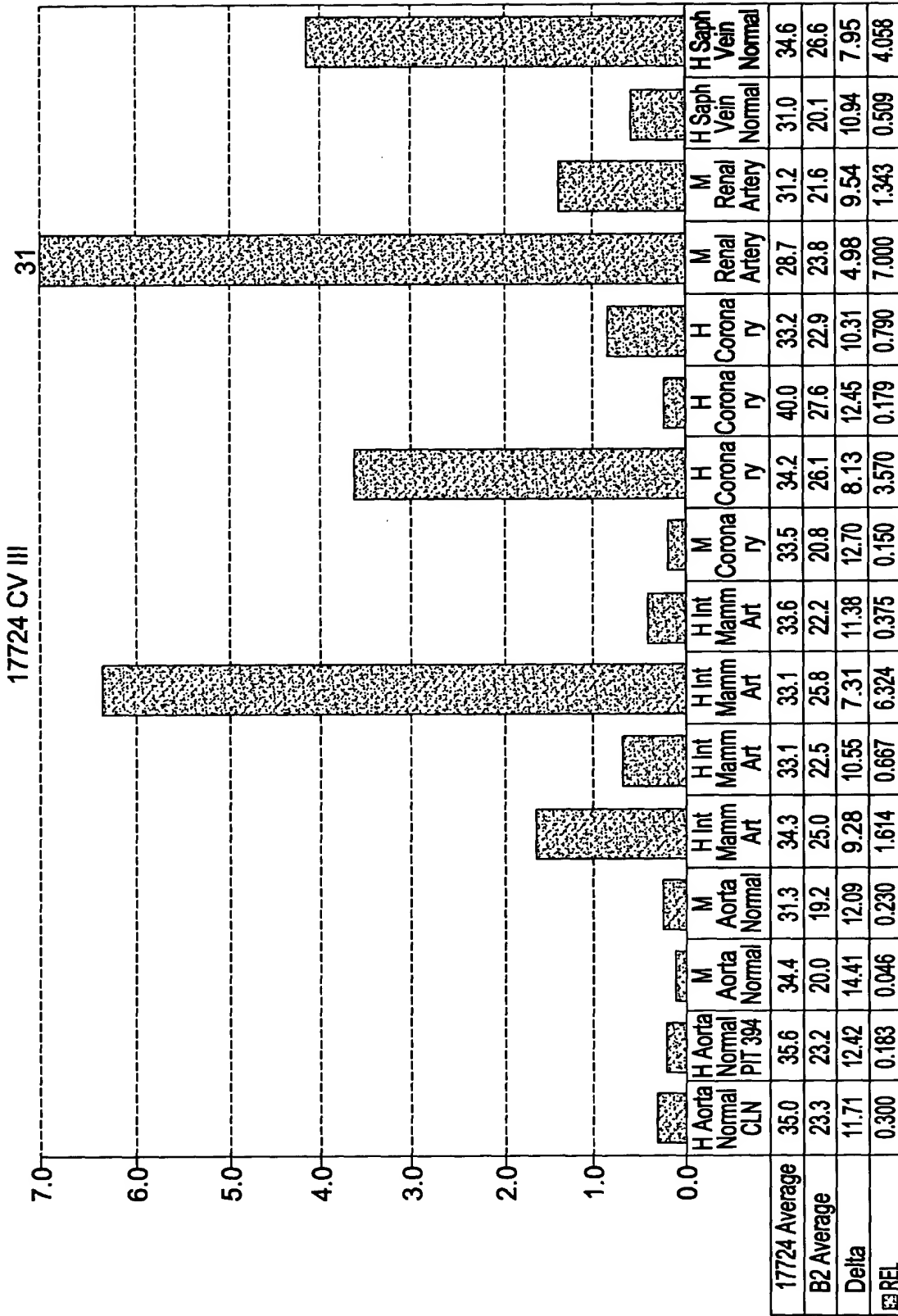
Application No: 09/781,880  
 Att'y Dkt No: 35800/208932 (5800-206)

17724 CV II



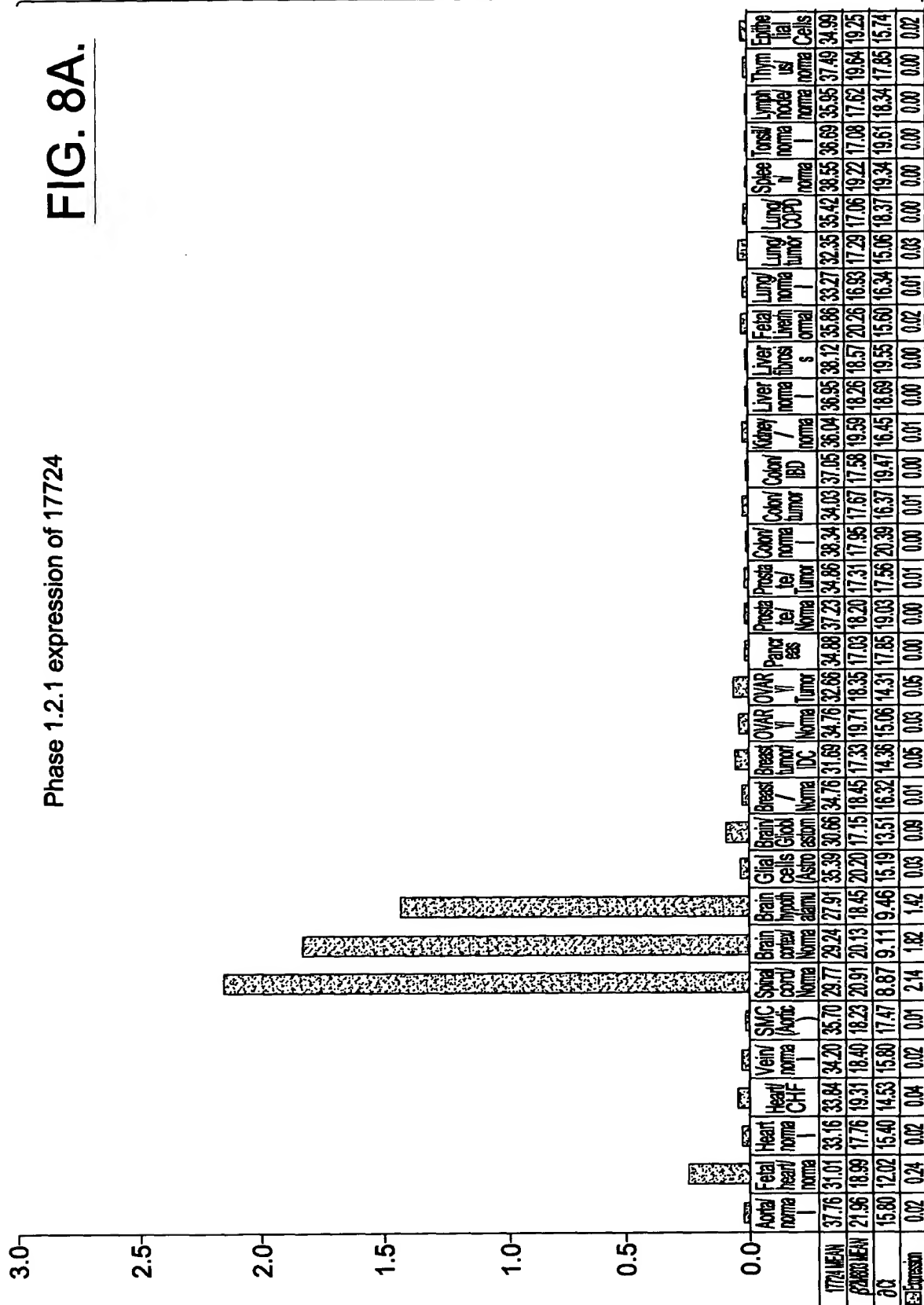
666

Title: NOVEL SEVEN-TRANSMEMBRANE PROTEIN/G-PROTEIN COUPLED RECEPTORS  
Inventor(s): Glucksmann et al.  
Application No: 09/781,880  
Atty Dkt No: 35800/208932 (5800-206)



**FIG. 7.**

**FIG. 8A.**



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TO FIG. 8B.



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Title: NOVEL SEVEN-TRANSMEMBRANE PROTEIN/G-PROTEIN  
COUPLED RECEPTORS  
Inventor(s): Glucksmann et al.  
Application No: 09/181,880  
Atty Dkt No: 35800/208932 (5800-206)

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BY	CLASS	
DATE	BY	

FROM FIG. 8A.

Endo	Stem	Fibro	Skin	Adipo	Osteo	Osteo	Osteo	Osteo	Aorta	Aorta	HUVE	HME
40.00	32.51	39.05	35.60	35.79	39.16	38.03	37.06	36.40	35.06	37.28	37.58	39.20
20.06	18.28	17.75	20.32	17.85	19.67	18.07	17.44	16.75	18.11	20.12	19.74	19.04
19.94	14.24	21.30	15.29	17.95	19.50	19.97	19.64	19.66	16.95	17.16	17.04	20.16
0.00	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

FIG. 8B.

APPROVED BY O.G. 1234567890  
SUBCLASS

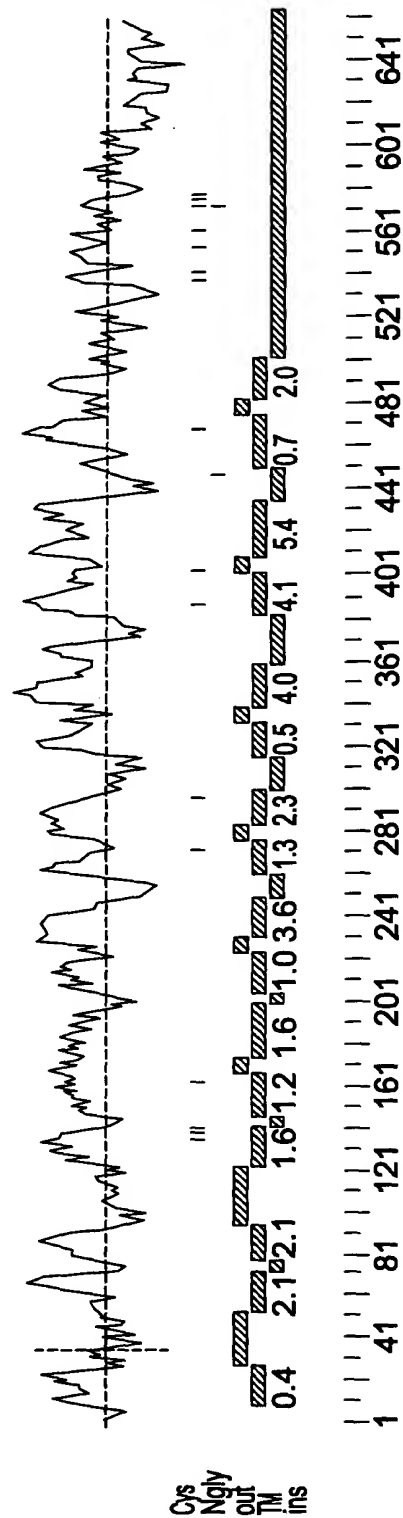
(663 aa)

## Analysis of 31945

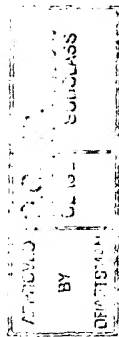
**PFAM**

STAT

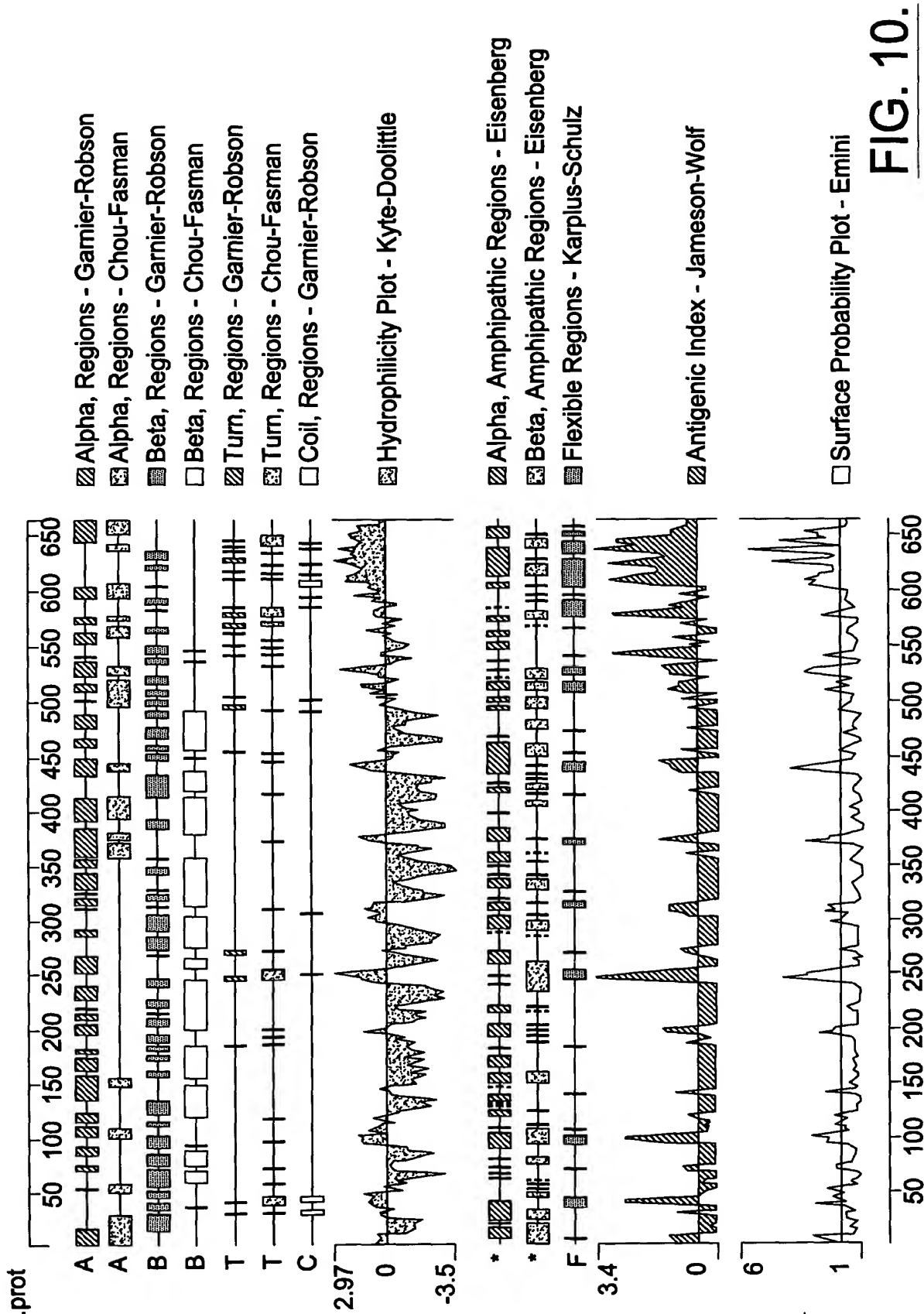
cfm638C4



**FIG. 9.**

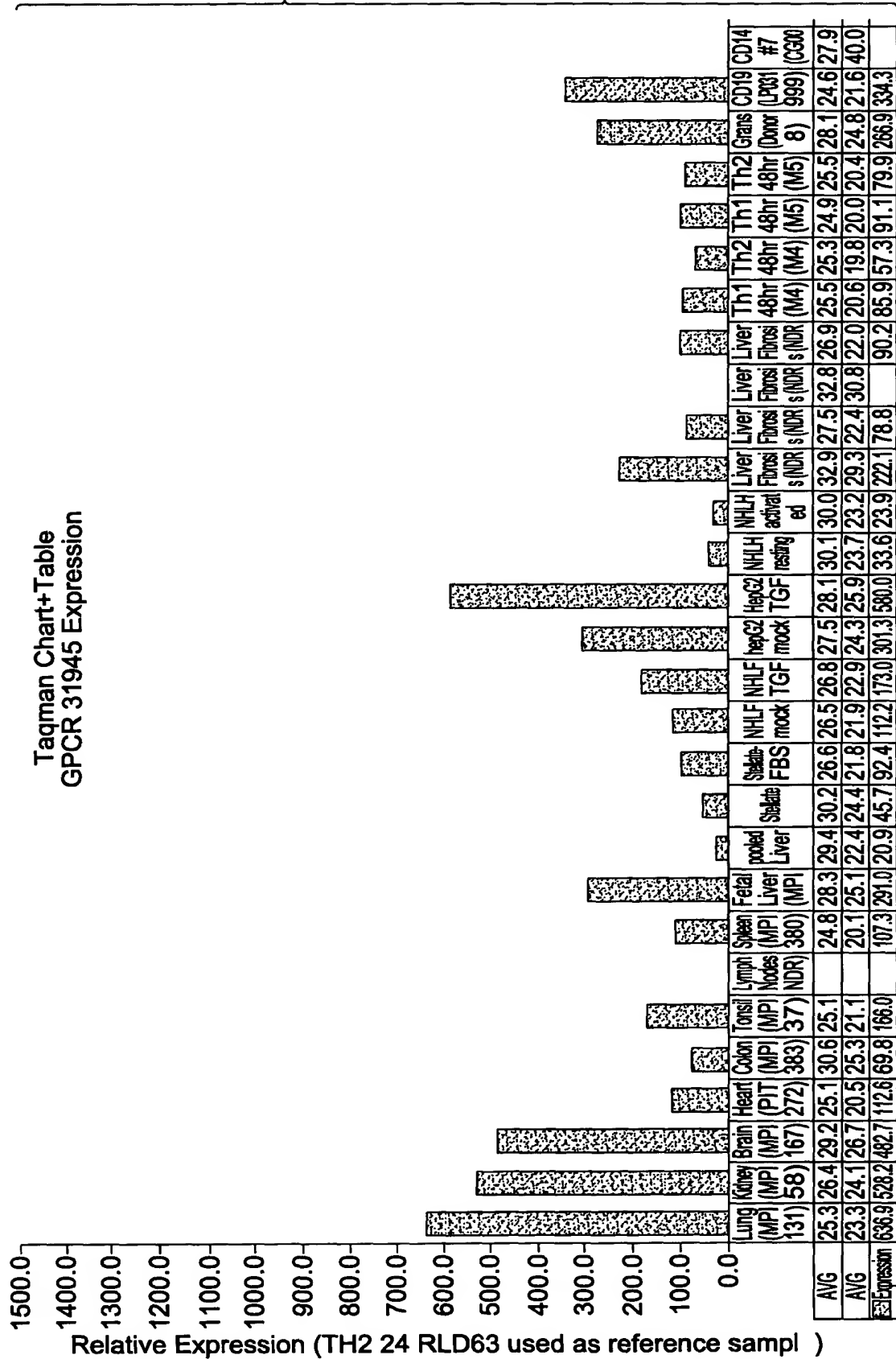


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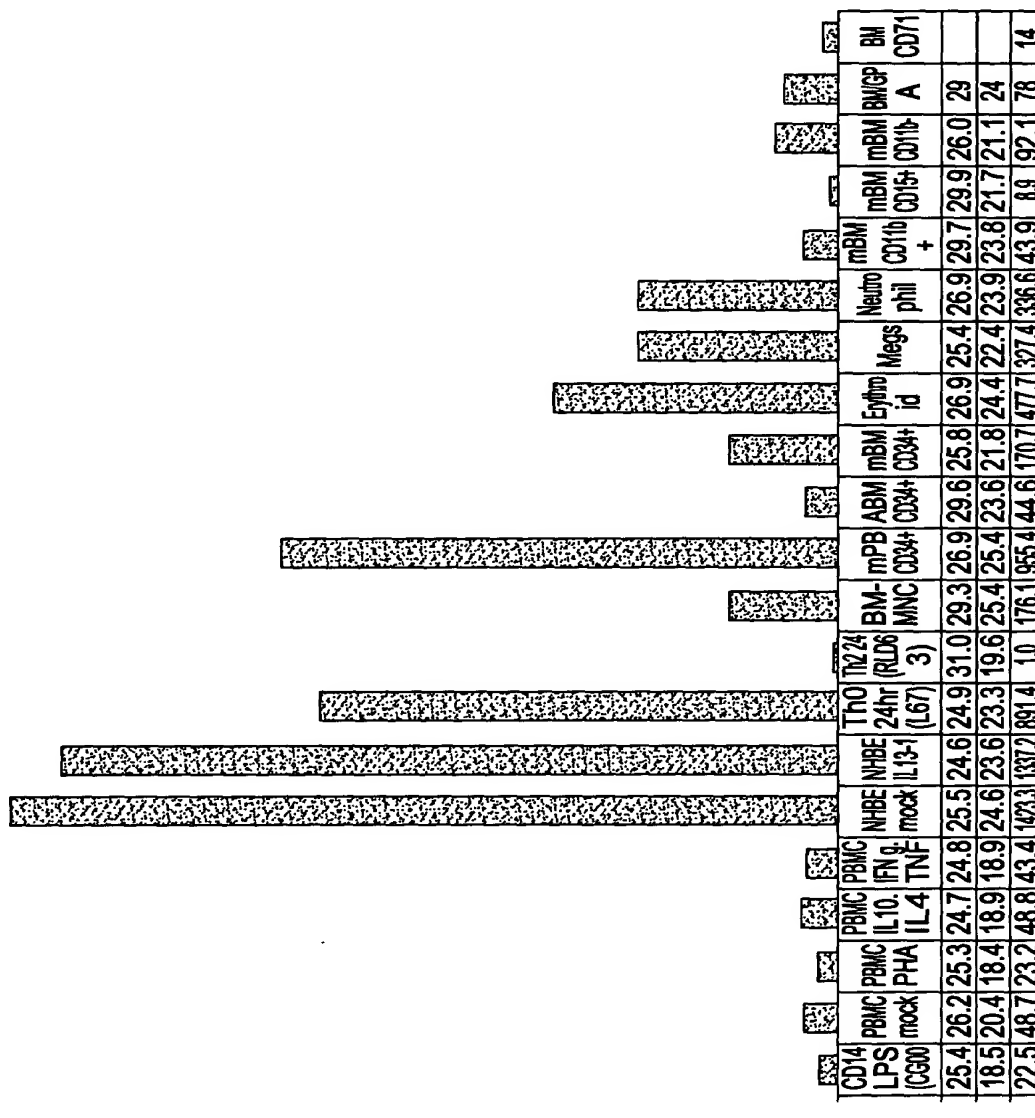
Title: NOVEL SEVEN-TRANSMEMBRANE PROTEIN/G-PROTEIN  
COUPLED RECEPTORS  
Inventor(s): Glucksmann et al.  
Application No: 09/781,380  
Atty Dkt No: 35800/208932 (5800-206)

**Taqman Chart+Table**  
**GPCR 31945 Expression**



**FIG. 11A.**

Title: NOVEL SEVEN-TRANSMEMBRANE PROTEIN/G-PROTEIN  
COUPLED RECEPTORS  
Inventor(s): Glucksmann et al.  
Application No.: 09/781,880  
Atty Dkt No: 35800/208932 (5800-206)



**FIG. 11B.**

FROM FIG. 11A.

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Analysis of 50288 (372 aa)

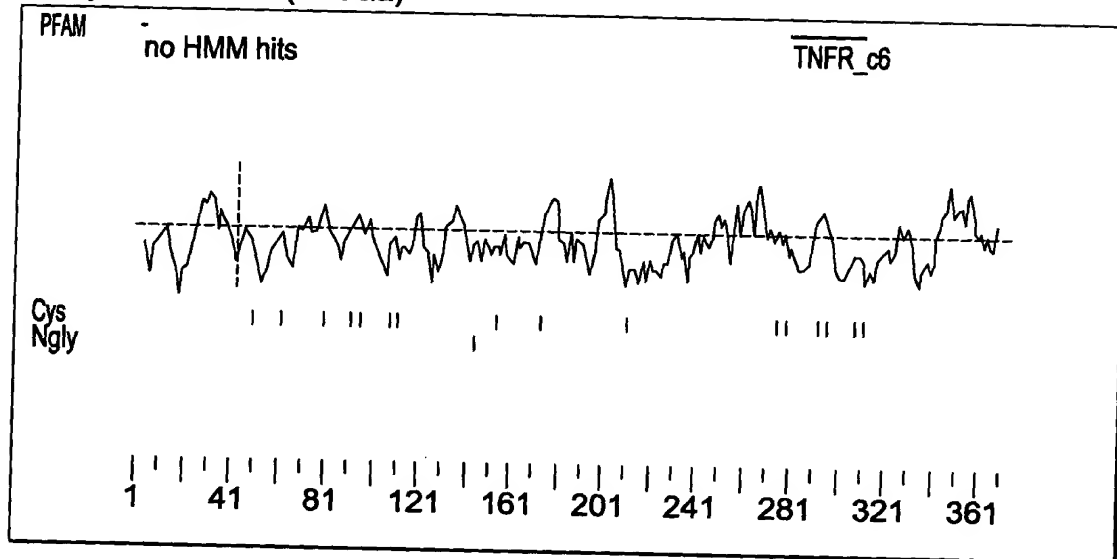


FIG. 12.

09781880 1010

08378260

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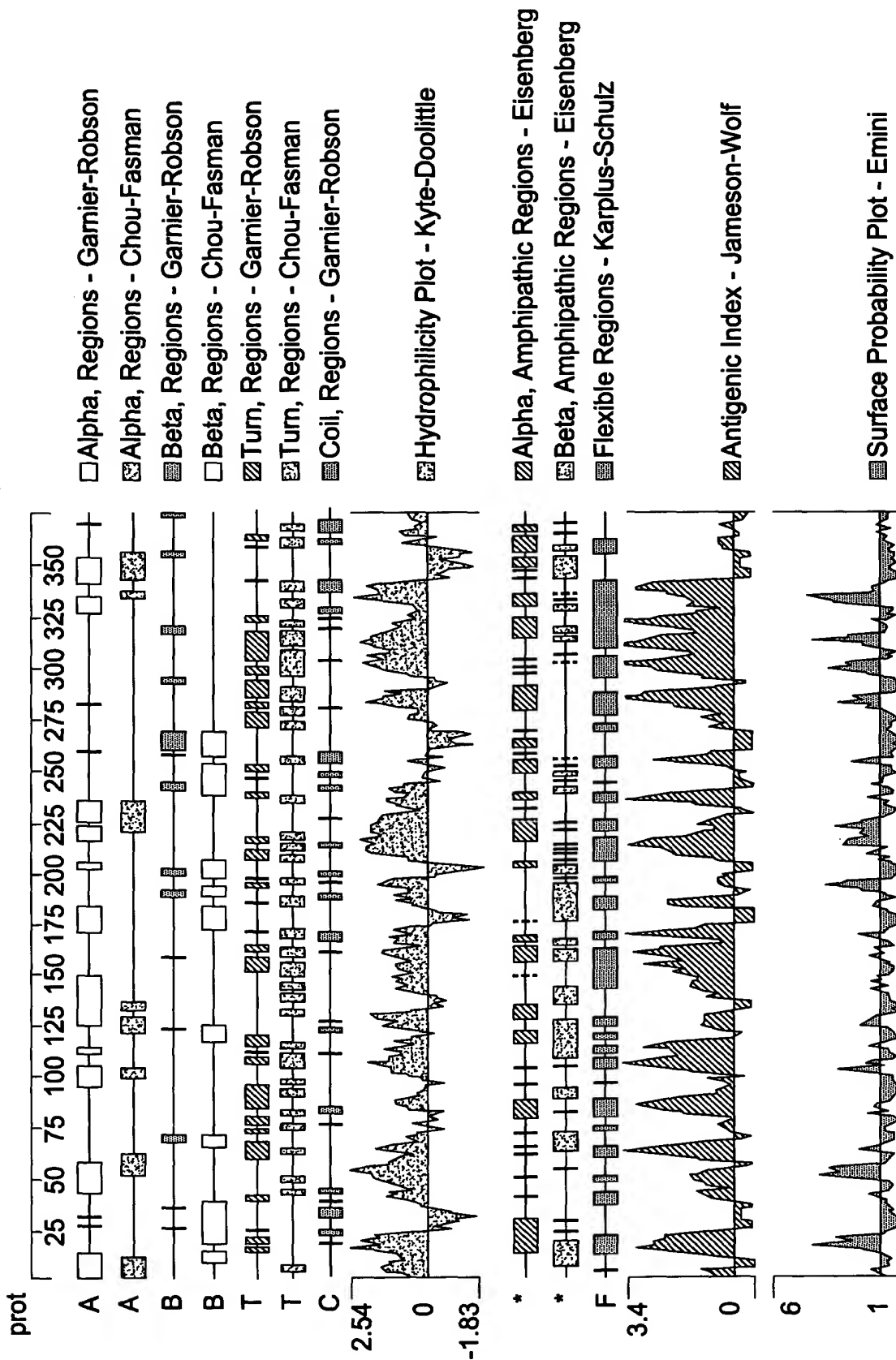
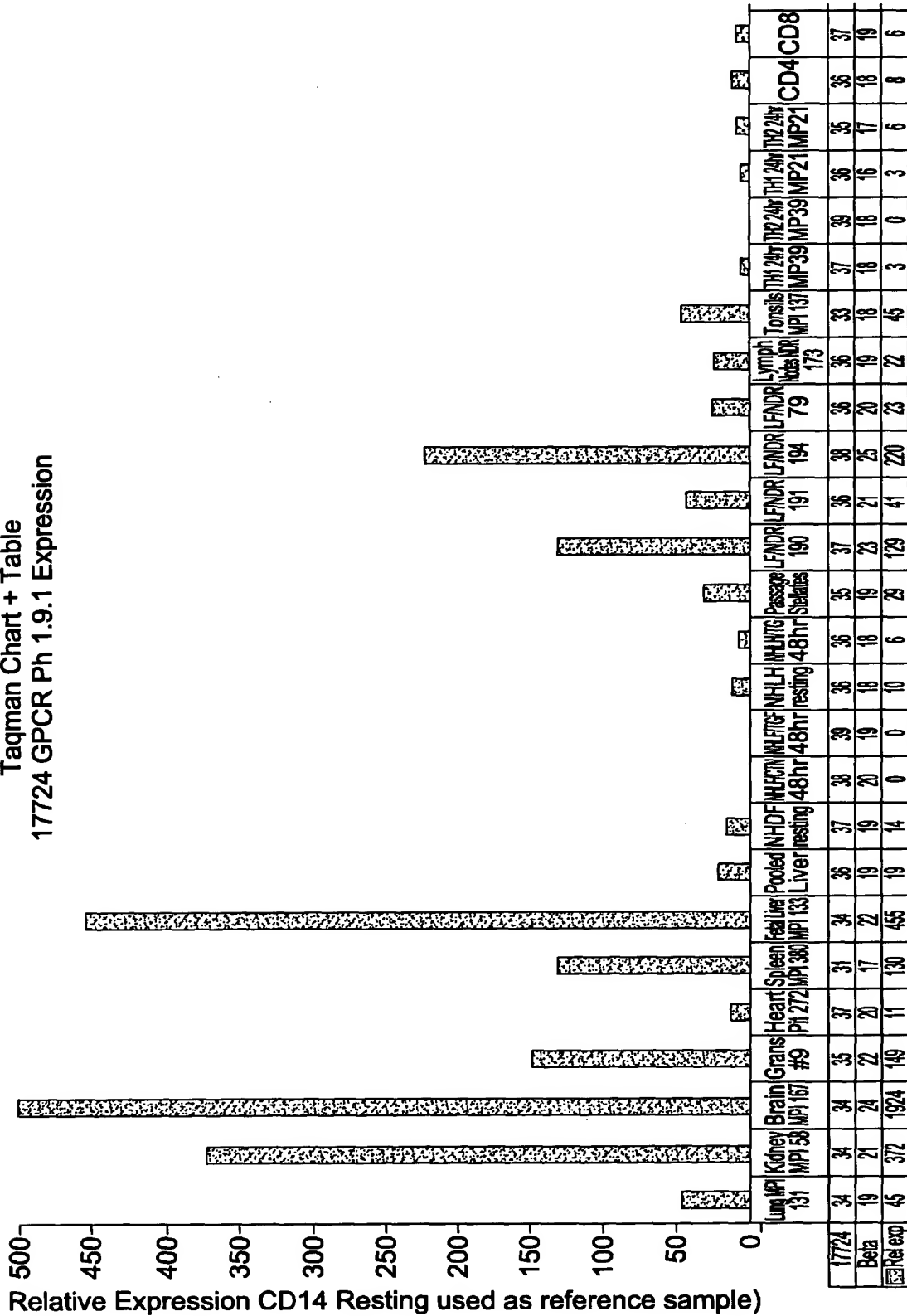


FIG. 13.

50 75 100 125 150 175 200 225 250 275 300 325 350

Atty Dkt No: 35800/208932 (5800-206)

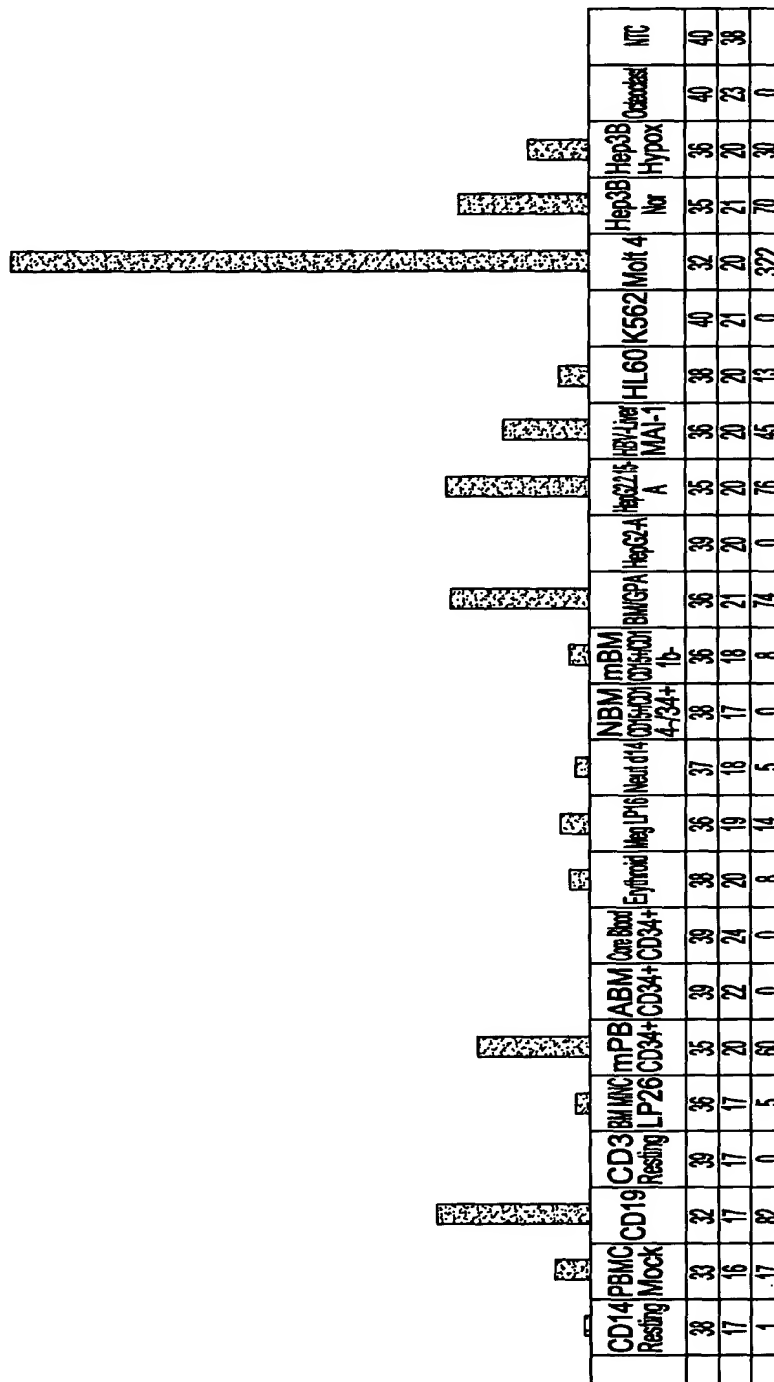
TO FIG. 14B.



**FIG. 14A.**



**FIG. 14B.**



FROM FIG. 14A.

Title: NOVEL SEVEN-TRANSMEMBRANE PROTEIN/G-PROTEIN  
COUPLED RECEPTORS  
Inventor(s): Glucksmann et al.  
Application No: 09/781,880  
Atty Dkt No: 35800/208932 (5800-206)

APPROVED BY: [Signature]  
DATE: 03/03/00  
SUBCLASS: [Signature]

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TO FIG. 15B.

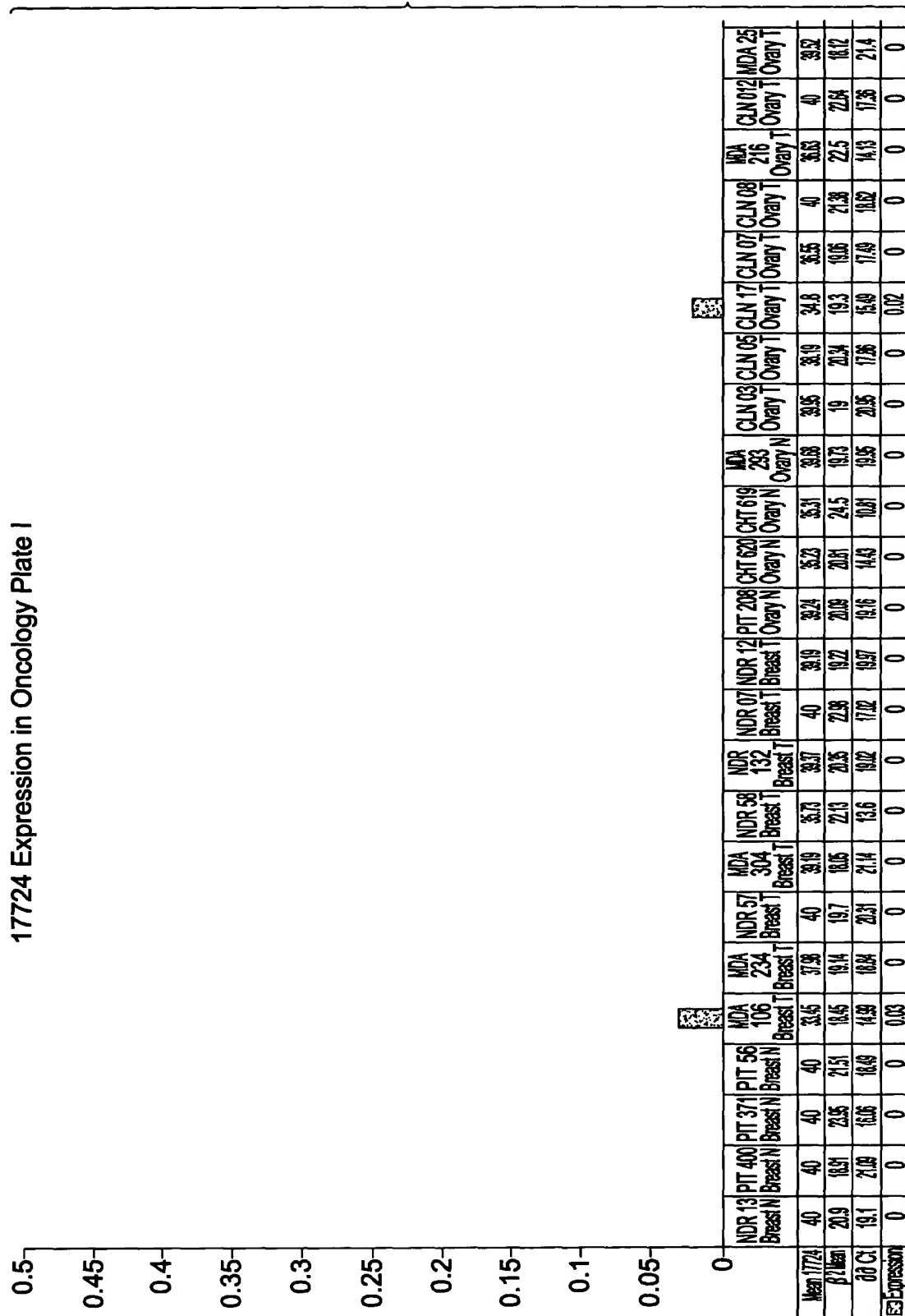


FIG. 15A.

MD-SCC MD-SCC

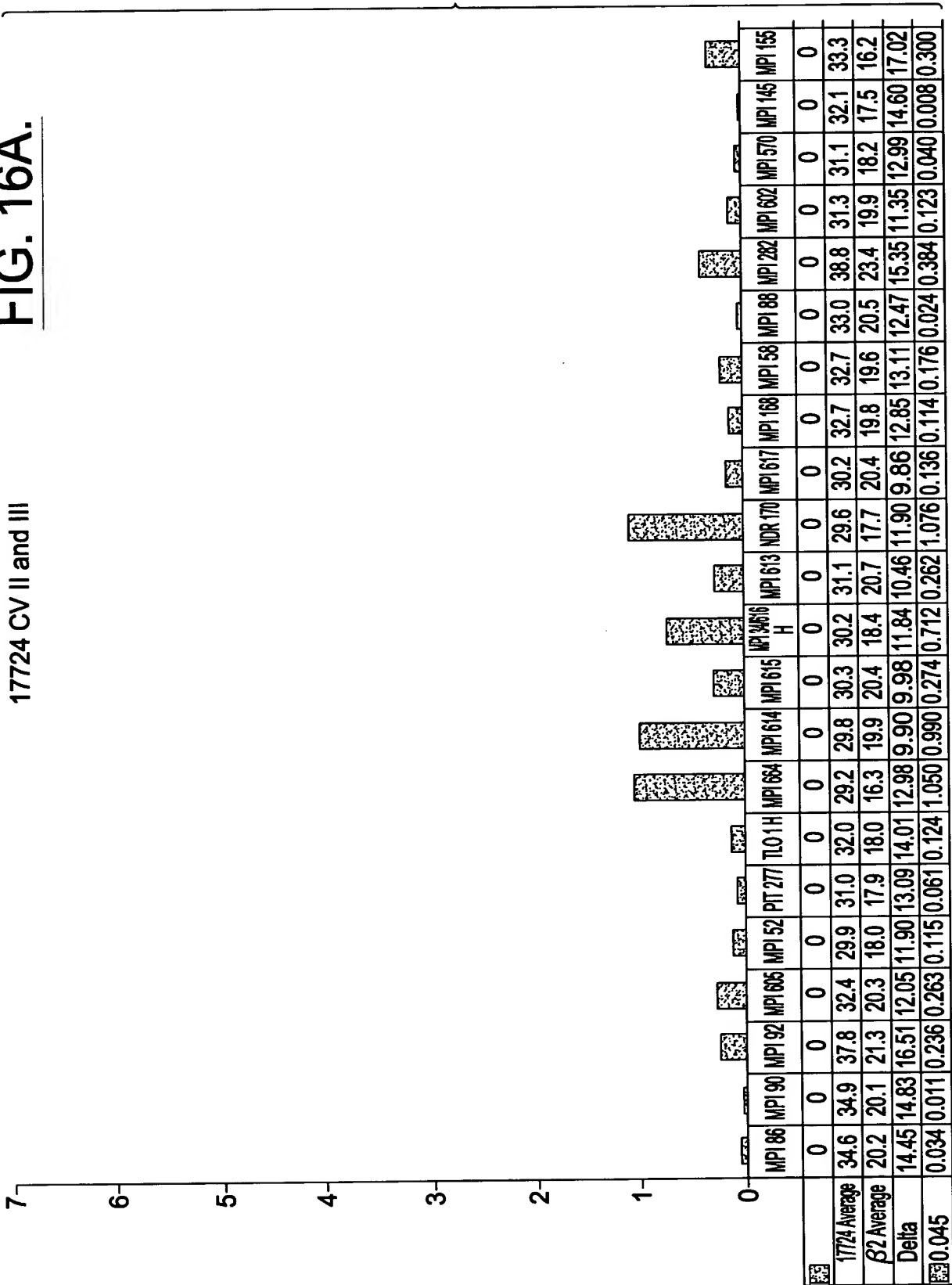
MD-SCC

MD-SCC

MIA		CLIN 930		MIA 185		CHT 816		CHT 814		CHT 911		MIA 259		CHT 845		MIA 253	
Lung N		Lung N		Lung N		Lung N		Lung T		Lung T		Lung T		Lung T		Lung T	
40	40	40	40	39.69	40	40	34.88	37.35	40	28.63	40	40	40	40	40	40	40
21.45	20.25	17.89	17.17	23.9	19.36	17.79	20.29	21.29	19.54	19	20.25	20.25	19.75	21	19.75	0	0
16.36	19.75	22	22.83	10.98	13.59	22.22	9.34	18.71	20.47	0	0	0	0	0	0	0	0

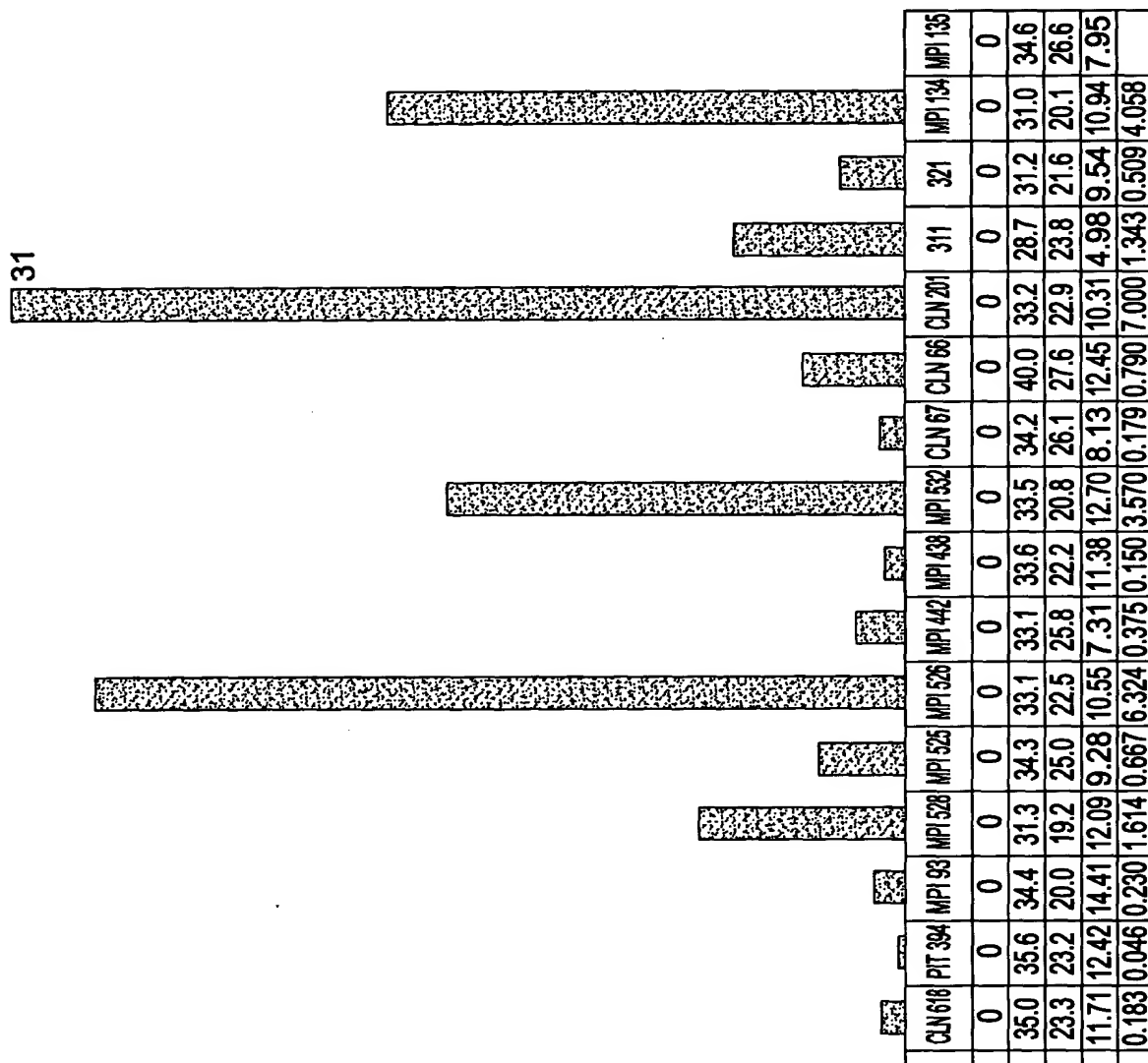
**FIG. 15B.**

## 17724 CV II and III



088T8260

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FROM FIG. 16A.

FIG. 16B.

